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International Council for the
Exploration of the Sea

C.M. 1977/B: 19
Gear and Behaviour Committee

General Report
Gear and Behaviour Working Groups Meetings
Hamburg, Federal Republic of Germany

18 - 22 April, 1977



P.J.G. Carrothers

1. Sincere thanks are extended to the Institut für Fangtechnik for hosting these meetings and for providing refreshments and transportation, and also to Prof.-Dr. R. Steinberg, Director, and to Dr. W. Fischer and Mr. W. Kelle for their work in organizing and sustaining the activities. Their substantial contribution to the success of the meetings is very much appreciated.
2. The following participants registered for the Working Groups indicated:

	<u>Working Groups</u>			<u>Committee Member</u>
	<u>Engineering</u>	<u>Fish Reaction</u>	<u>Data Collection</u>	

Belgium

G. Vanden Broucke				X
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Canada

G. Brothers	X	X	X	
P.J.G. Carrothers	X	X	X	X
W.W. Johnsen	X			

France

G. Kurc	X	X		X
J. Prado	X		X	

* General Secretary, ICES
Charlottenlund Slot
DK-2920 Charlottenlund, Denmark

Working Groups

	<u>Engineering</u>	<u>Fish Reaction</u>	<u>Data Collection</u>	<u>Committee Member</u>
<u>Federal Republic of Germany</u>				
H. Bohl	X	X		X
A. v. Brandt	X	X		
E. Dahm	X			
W. Horn	X	X		
W. Kelle				
K. Lange	X			
T. Mentjes	X			
H. v. Seydlitz			X	
P. Steinberg	X	X	X	X
<u>Netherlands</u>				
H.B. Becker	X		X	
G.P. Boonstra	X	X	X	
E.J. deBoer	X	X	X	
S.J. DeGroot	X	X		X
J.G. DeWit	X	X		X
T. Lantau	X	X	X	
B.v. Marlen	X	X	X	
A. Verbaan	X	X	X	
<u>Norway</u>				
Beltestad	X	X	X	
L. Brunvoll	X			
A. Endal	X			
A. Ferno	X	X	X	
L. Karlsten	X	X	X	
K. Olsen		X		
S. Olsen	X	X		X
W. Reinertsen	X			
<u>Portugal</u>				
F. Lima	X			X
<u>Sweden</u>				
J.K. Lunde	X	X	X	
<u>U.K.</u>				
J.F. Foster	X	X		
J.J. Foster	X		X	X
M. Hatfield	X	X		
A.D. Hawkins		X		
D.N. MacLennan	X	X	X	
P.A.M. Stewart		X		
C. Wardle		X		

Working Groups

<u>Engineering</u>	<u>Fish Reaction</u>	<u>Data Collection</u>	<u>Committee Member</u>
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U.S.S.R.

A.I. Treschev	X	X	X	X
E.N. Saburenkov	X	X	X	

F.A.O.

J. Schärfe	X	X		
C. Nedelec	X		X	

3. Meetings and special joint sessions were held as follows:

- a) Working group on research on Engineering aspects of fishing gear, vessels and equipment.

E.J. deBoer, convener

Monday, 18 April, 0930-1300 and 1415-1730
Tuesday, 19 April, 0900-1300

- b) Special joint session-Draft manual on the Fishing Volume Method for Fishing Effort Measurement.

E.J. deBoer, Chairman

Tuesday, 19 April, 1415-1700

- c) Special joint session - Electrical fishing

G.P. Boonstra, Chairman

Thursday, 21 April, 0945-1230

- d) Working group on Reaction of fish to fishing operations

C. Wardle, convener

Thursday, 21 April, 1415-1600
Friday, 22 April

- e) Working group on Data Collection and processing in fish capture research.

J.J. Foster, convener

Thursday, 21 April, 1415-1600
Friday, 22 April

- f) Technical films, slides and video presentation

Tuesday, 19 April, 1700-1800
Thursday, 21 April 1230-1300 and 1630-1800

- g) Tour, Nordsee GmbH, Cuxhaven
3rd generation trawler, factory and luncheon

Hermann Engel & Co., Bremerhaven
Net factory

Wednesday, 20 April 1977

- h) Gear and Behaviour Committee business

Monday, 18 April 0900-0930
Thursday, 21 April 0900-0945

Note: Working Group proceedings are reported separately by the respective conveners.

4. Items of Committee business included:

- a) Mr. G.P. Arnold of Lowestoft replaces Mr. A.R. Margetts as member from U.K. Many thanks are extended to past chairman Margetts for his very considerable contribution to the Committee.
- b) The activities and membership of the Sound and Vibrations Working Group have been combined with those of the Fish Reaction Working Group with special request to keep the interests of the former alive. The Comparative Fishing Working Group is completing its terms of reference by preparing its document on comparisons between passive fishing gears.

- c) The draft Administration Report for 1976 was distributed to contributors. Corrections and further contributions were received.
- d) The ISO/TC38 proposal for an international standard method for measuring mesh size using the ICES-meter was tabled and referred to the Engineering Working Group for further discussion.
- e) The following matters are scheduled for further consideration by the Gear and Behaviour Committee at the 65th. Statutory Meeting in Reykjavik, Iceland, 26 September-5 October 1977
 - i) Technical papers - the call from the General Secretary for contributions was repeated and the procedure for submission outlined.
 - ii) A new committee Chairman is to be elected, probably at the beginning of the second session.
 - iii) A joint session is to be held with the Fisheries Improvement committee on the interaction between the fishing industry and the offshore oil/gas industry, co-convened by S.J. deGroot and A.D. McIntyre.
 - iv) The Shellfish and Benthos Committee have recorded a request for assistance in defining and finding a standard measure for fishing effort in invertebrate fisheries. They have offered background papers for reference in our deliberations.
 - v) A policy statement is to be developed for ICES concerning the ISO proposal for an international standard method for measuring mesh size using the ICES-meter.
 - vi) Revision and editing of the manual which ICES requested of A.I. Treschev on Application of the Fished Volume Method for Fishing Effort Measurement has progressed sufficiently that it should be ready for submission to this Statutory Meeting for publication.
- f) The Working Groups were pleased to accept the kind invitation from Norway (S. Olsen) to hold their next meetings in Bergen during the period 8-12 May 1978.